CONTENTS

Cited in Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Current Contents / Life Sciences; EMBASE/Excerpta Medica; Index Medicus; Informedicus; Pascal M

Special Issue:
International Workshop on Early Folliculogenesis and Oocyte Development: Basic and Clinical Aspects, London, UK 10–11 June 1999

Contents

Preface
J. Findlay, A. Drummond (Australia) 1

Formation and Function of Primordial Gern Cells and Follicles
Germ and somatic cell lineages in the developing gonad
A. McLaren (UK) 3
Growth and paracrine factors regulating follicular formation and cellular function
K.P. McNatty, A.E. Fidler, J.L. Juengel, L.D. Quirke, P.R. Smith, D.A. Heath, T. Lundy, A. O'Connell, D.J. Tisdall (New Zealand) 11
The mouse zona pellucida: folliculogenesis, fertility and pre-implantation development
T. Rankin, S. Soyal, J. Dean (USA) 21
Steroidogenic factor 1 (SF-1) is essential for ovarian development and function
N.A. Hanley, Y. Ikeda, X. Luo, K.L. Parker (USA) 27

Follicle definitions and dynamics
Morphologic and functional determinants of primordial and primary follicles in the monkey ovary
A. Gougeon, D. Busso (France, Argentina) 33
Follicle dynamics during ovarian ageing
M.J. Faddy (New Zealand) 43
Follicular dynamics in the polycystic ovary syndrome
S. Franks, H. Mason, D. Willis (UK) 49

Candidates for arresting and reinitiation of follicle growth
The primordial to primary follicle transition
J.E. Fortune, R.A. Cushman, C.M. Wahl, S. Kito (USA) 53
Revelations of ovarian follicle biology from gene knockout mice
M.M. Matzuk (USA) 61
Neurotrophic and cell–cell dependent control of early follicular development
S.R. Ojeda, C. Romero, V. Tapia, G.A. Dissen (USA) 67

Regulation and functional capacities of early committed follicles
Extracellular matrix in ovarian follicles
R.J. Rodgers, H.F. Irving-Rodgers, I.L. van Wezel (Australia) 73
The roles of activins, inhibins and estrogen in early committed follicles
J.K. Findlay, A.E. Drummond, K.L. Britt, M. Dyson, N.G. Wreford, D.M. Robertson, N.P. Groome, M.E.E. Jones, E.R. Simpson (Australia, UK) 81
Importance of the IGF system in early folliculogenesis
P. Monget, C. Bondy (France, USA) 89
Hormonal regulation of early follicle development in the rat ovary
A.J.W. Hsueh, E.A. McGee, M. Hayashi, S.Y. Hsu (USA) 95

Oocyte competence and attrition
Oocyte attrition
K. Reynaud, M.A. Driancourt (France) 101

(Contents continued from previous page)

Conditions that affect acquisition of developmental competence by mouse oocytes in vitro: FSH, insulin, glucose and ascorbic acid
J.J. Eppig, M. Hosoe, M.J. O'Brien, F.M. Pendola, A. Requena, S. Watanabe (USA) 109
In vitro development of oocytes from porcine and bovine primary follicles
E.E. Telfer, J.P. Binnie, F.H. McCaffery, B.K. Campbell (UK) 117

Strategies for preserving viable oocytes
Low temperature storage and grafting of human ovarian tissue
R.G. Gosden (Canada) 125
Ovarian autografts in sheep as a model for studying folliculogenesis
B.K. Campbell, E.E. Telfer, R. Webb, D.T. Baird (UK) 131
Gonadotrophin administration can benefit ovarian tissue grafted to the body wall: implications for human ovarian grafting
B. Imthurn, S.-L. Cox, G. Jenkin, A.O. Trounson, J.M. Shaw (Australia, Switzerland) 141

Abstracts of the International Workshop on Early Folliculogenesis and Oocyte Development: Basic and Clinical Aspects 147

Calendar

Notes to Authors

Announcements